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16 February 1965

Declass Review by NIMA/DOD

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MEMORANDUM FOR: Chief, Forces Division, ORR

ATTENTION : [] 25X1A

THROUGH : Chief, Reconnaissance Group
DD/I Collection Guidance Staff

SUBJECT : Missile and Silo Aperature Mensuration on
[] Photography

REFERENCE : CIA Requirement C-RR5-82,175
(NPIC Project 11042-5)

1. This memorandum is in response to your requirement which requests mensuration of missiles and silos at the Tyuratam Missile Test Center, and silos only at Olovyanaya, Tatishchevo, and one of the Aleysk-type complexes.

2. Enclosed are two tables (Measurements of Missiles & Missile Components and Measurements of Selected ICEM Silos). These tables show only those measurements which are deemed reliable. Dimensions of erected missiles, in some cases, were measured by both the obliquity and the shadow methods and in many cases both the forward and aft frames of photography were utilized. Dimensions of missiles in the horizontal position are considered to be more accurate than those in the erected position. The dimensions of the erected missiles probably include the height of the launch stand.

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3. Dimensions of the aperture of the silos should be referred to with caution since in some cases the silo coring may have been measured or the true diameter may have been obscured by shadow. None of the silo dimensions from photo missions in [] have been included since mensuration has not been finalized.

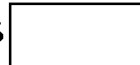
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4. Results of this project were discussed verbally with [] of your office on 18 January 1965.



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[REDACTED]

5. This project is considered to be complete.

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[REDACTED]

Colonel, USA
Assistant for Photographic Analysis, NPIC

Enclosure:
2 tables

Distribution:

- 1&2-ORR/Forces (w/enc)
 - 3-EMSD/OSI (w/enc)
 - 4-PAG/NPIC (w/o enc)
 - 5-IPO/PAG/NPIC (w/o enc)
 - 6-SSTD/PAG/NPIC (w/o enc)
 - 7-CIA/PID (w/enc)
 - 8-OS/NPIC (w/o enc)
 - 9-CSD/NPIC (w/enc)
 - 10-DIAXX-4 (w/o enc)
 - 11-NSA/LO/NPIC (w/o enc)
 - 12-AFNIIE-BA [REDACTED] (w/o enc)
 - 13-OPNAV 922X3 [REDACTED] (w/o enc)
 - 14-Army/SPAD [REDACTED] (w/o enc)
 - 15-DIAXX-3A (w/enc)
 - 16-DIAXX-3C (w/enc)
- [REDACTED]
- [REDACTED]

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